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A1

A solenoid valve achieves high reliability and small size with fine tolerance. The solenoid valve having a valve housing, an electromagnet composed of a coil, a yoke and a clapper armature having at least a first valve seat, and a sealing element which can be actuated by the clapper armature and which co-operates with the first valve seat. The yoke has yoke pins and the clapper armature is magnetically and pivotally connecting with one of the yoke pins at the end thereof that is remote from the sealing element.

IN THE SPECIFICATION:

Applicant has submitted herewith a substitute specification under 37 CFR 1.52(b) for providing section headings in accordance with the current U.S. practice and correcting minor informalities in the specification. The marked-up version of the specification is also submitted concurrently herewith. This is to verify that the substitute specification contains no new matter.

UN THE CLAIMS:

The following is a clean set of claims after amendment. Claims 1-14 have been amended.

A2

1. (Amended) A solenoid valve comprising:  
a valve housing;  
an electromagnet comprised of a coil wound around an outer surface of the valve housing, a yoke, and a clapper armature having at least a first valve seat; and